

**SUBSTANCE FOR IMPROVING SKIN BARRIER FUNCTION, SUBSTANCE FOR AMELIORATING SKIN WRINKLE, SKIN CARE PREPARATION FOR EXTERNAL USE, COSMETIC AND QUASI-DRUG COMPRISING THE SAME SUBSTANCE**

**Publication number:** JP2004123554 (A)

**Publication date:** 2004-04-22

**Inventor(s):** TAKEO AKIKO; AIOI AKIHIRO; HAMADA KAZUHIKO; KUROHARA TAKAYUKI

**Applicant(s):** PIAS ARISE KK; KOEI CHEMICAL CO

**Classification:**

**- International:** C07D241/24; A61K8/00; A61K8/49; A61K31/44; A61K31/4402; A61K31/4409; A61K31/4458; A61K31/4965; A61P17/00; A61P17/16; A61Q19/00; C07D211/22; C07D211/26; C07D211/60; C07D213/30; C07D213/38; C07D213/79; C07D213/81; C07D241/00; A61K8/00; A61K8/30; A61K31/44; A61K31/4402; A61K31/4409; A61K31/4458; A61K31/4965; A61P17/00; A61Q19/00; C07D211/00; C07D213/00; (IPC1-7): C07D211/26; C07D211/60; C07D213/30; C07D213/38; C07D213/79; C07D213/81; C07D241/24; A61K31/44; A61K7/00; A61K7/48; A61K31/4402; A61K31/4409; A61K31/4458; A61K31/4965; A61P17/00; A61P17/16; C07D211/22

**- European:**

**Application number:** JP20020285842 20020930

**Priority number(s):** JP20020285842 20020930

**Abstract of JP 2004123554 (A)**

PROBLEM TO BE SOLVED: To obtain a highly safe substance for improving skin barrier functions having improving actions on the lowered skin barrier functions and ameliorating actions on skin wrinkles and further an excellent feeling of use. ; SOLUTION: The substance for improving the skin barrier functions is at least one kind of heterocyclic compound selected from the group consisting of a compound represented by formula (1) (wherein, X denotes CH or nitrogen atom; Y denotes carbamoyl group, carboxy group, an alkoxy carbonyl group, a hydroxyalkyl group, amino group or an aminoalkyl group; and R denotes an alkyl group, with the proviso that Y is a substituent bound to the carbon atom at the 2- or the 4-position of the heterocyclic ring) and a nuclearly hydrogenated substance of the compound. ; COPYRIGHT: (C)2004,JPO

